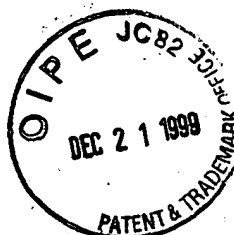


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<110> O'Brien, Timothy J.
 <120> TADG-15: An Extracellular Serine Protease
 Overexpressed in Carcinomas
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Gly	Leu	Glu	Glu	Gly	Val	Glu	Phe	Leu	Pro	Val	Asn	Asn	Val	Lys
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Lys	Val	Glu	Lys	His	Gly	Pro	Gly	Arg	Trp	Val	Val	Leu	Ala	Ala
			50					55						60
Val	Leu	Ile	Gly	Leu	Leu	Leu	Val	Leu	Leu	Gly	Ile	Gly	Phe	Leu
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Val	Trp	His	Leu	Gln	Tyr	Arg	Asp	Val	Arg	Val	Gln	Lys	Val	Phe
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Asn	Gly	Tyr	Met	Arg	Ile	Thr	Asn	Glu	Asn	Phe	Val	Asp	Ala	Tyr
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Glu	Asn	Ser	Asn	Ser	Thr	Glu	Phe	Val	Ser	Leu	Ala	Ser	Lys	Val
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Lys	Asp	Ala	Leu	Lys	Leu	Leu	Tyr	Ser	Gly	Val	Pro	Phe	Leu	Gly
				125					130					135
Pro	Tyr	His	Lys	Glu	Ser	Ala	Val	Thr	Ala	Phe	Ser	Glu	Gly	Ser
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Val	Ile	Ala	Tyr	Tyr	Trp	Ser	Glu	Phe	Ser	Ile	Pro	Gln	His	Leu
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Val	Glu	Glu	Ala	Glu	Arg	Val	Met	Ala	Glu	Glu	Arg	Val	Val	Met
				170					175					180
Leu	Pro	Pro	Arg	Ala	Arg	Ser	Leu	Lys	Ser	Phe	Val	Val	Thr	Ser
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Val	Val	Ala	Phe	Pro	Thr	Asp	Ser	Lys	Thr	Val	Gln	Arg	Thr	Gln
				200					205					210
Asp	Asn	Ser	Cys	Ser	Phe	Gly	Leu	His	Ala	Arg	Gly	Val	Glu	Leu
				215					220					225
Met	Arg	Phe	Thr	Thr	Pro	Gly	Phe	Pro	Asp	Ser	Pro	Tyr	Pro	Ala
				230					235					240
His	Ala	Arg	Cys	Gln	Trp	Ala	Leu	Arg	Gly	Asp	Ala	Asp	Ser	Val
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Leu	Ser	Leu	Thr	Phe	Arg	Ser	Phe	Asp	Leu	Ala	Ser	Cys	Asp	Glu
				260					265					270
Arg	Gly	Ser	Asp	Leu	Val	Thr	Val	Tyr	Asn	Thr	Leu	Ser	Pro	Met
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Glu	Pro	His	Ala	Leu	Val	Gln	Leu	Cys	Gly	Thr	Tyr	Pro	Pro	Ser
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Tyr	Asn	Leu	Thr	Phe	His	Ser	Ser	Gln	Asn	Val	Leu	Leu	Ile	Thr
				305					310					315
Leu	Ile	Thr	Asn	Thr	Glu	Arg	Arg	His	Pro	Gly	Phe	Glu	Ala	Thr
				320					325					330
Phe	Phe	Gln	Leu	Pro	Arg	Met	Ser	Ser	Cys	Gly	Gly	Arg	Leu	Arg
				335					340					345
Lys	Ala	Gln	Gly	Thr	Phe	Asn	Ser	Pro	Tyr	Tyr	Pro	Gly	His	Tyr
				350					355					360
Pro	Pro	Asn	Ile	Asp	Cys	Thr	Trp	Asn	Ile	Glu	Val	Pro	Asn	Asn
				365					370					375
Gln	His	Val	Lys	Val	Ser	Phe	Lys	Phe	Phe	Tyr	Leu	Leu	Glu	Pro
				380					385					390
Gly	Val	Pro	Ala	Gly	Thr	Cys	Pro	Lys	Asp	Tyr	Val	Glu	Ile	Asn
				395					400					405
Gly	Glu	Lys	Tyr	Cys	Gly	Glu	Arg	Ser	Gln	Phe	Val	Val	Thr	Ser
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Asn	Ser	Asn	Lys	Ile	Thr	Val	Arg	Phe	His	Ser	Asp	Gln	Ser	Tyr
				425					430					435
Thr	Asp	Thr	Gly	Phe	Leu	Ala	Glu	Tyr	Leu	Ser	Tyr	Asp	Ser	Ser
				440					445					450
Asp	Pro	Cys	Pro	Gly	Gln	Phe	Thr	Cys	Arg	Thr	Gly	Arg	Cys	Ile
				455					460					465

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A1
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 Ser Asp Glu Leu Asn Cys Ser Cys Asp Ala Gly His Gln Phe Thr
 485 490 495
 Cys Lys Asn Lys Phe Cys Lys Pro Leu Phe Trp Val Cys Asp Ser
 500 505 510
 Val Asn Asp Cys Gly Asp Asn Ser Asp Glu Gln Gly Cys Ser Cys
 515 520 525
 Pro Ala Gln Thr Phe Arg Cys Ser Asn Gly Lys Cys Leu Ser Lys
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 Glu Ala Ser Cys Pro Lys Val Asn Val Val Thr Cys Thr Lys His
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 Thr Tyr Arg Cys Leu Asn Gly Leu Cys Leu Ser Lys Gly Asn Pro
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 Asp Cys Asp Cys Gly Leu Arg Ser Phe Thr Arg Gln Ala Arg Val
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 Val Gly Gly Thr Asp Ala Asp Glu Gly Glu Trp Pro Trp Gln Val
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 Ser Leu His Ala Leu Gly Gln Gly His Ile Cys Gly Ala Ser Leu
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 Ile Ser Pro Asn Trp Leu Val Ser Ala Ala His Cys Tyr Ile Asp
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 680 685 690
 Glu Arg Arg Leu Lys Arg Ile Ile Ser His Pro Phe Phe Asn Asp
 695 700 705
 Phe Thr Phe Asp Tyr Asp Ile Ala Leu Leu Glu Leu Glu Lys Pro
 710 715 720
 Ala Glu Tyr Ser Ser Met Val Arg Pro Ile Cys Leu Pro Asp Ala
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 Ser His Val Phe Pro Ala Gly Lys Ala Ile Trp Val Thr Gly Trp
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 Gly His Thr Gln Tyr Gly Gly Thr Gly Ala Leu Ile Leu Gln Lys
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 Gly Glu Ile Arg Val Ile Asn Gln Thr Thr Cys Glu Asn Leu Leu
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 Pro Gln Gln Ile Thr Pro Arg Met Met Cys Val Gly Phe Leu Ser
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 Gly Gly Val Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Ser
 800 805 810
 Ser Val Glu Ala Asp Gly Arg Ile Phe Gln Ala Gly Val Val Ser
 815 820 825
 Trp Gly Asp Gly Cys Ala Gln Arg Asn Lys Pro Gly Val Tyr Thr
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 Arg Leu Pro Leu Phe Arg Asp Trp Ile Lys Glu Asn Thr Gly Val
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 <223> Hepsin
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Arg Ile Val Gly Gly Arg Asp Thr Ser Leu Gly Arg Trp Pro Trp
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 Gln Val Ser Leu Arg Tyr Asp Gly Ala His Leu Cys Gly Gly Ser
 20 25 30
 Leu Leu Ser Gly Asp Trp Val Leu Thr Ala Ala His Cys Phe Pro
 35 40 45
 Glu Arg Asn Arg Val Leu Ser Arg Trp Arg Val Phe Ala Gly Ala
 50 55 60
 Val Ala Gln Ala Ser Pro His Gly Leu Gln Leu Gly Val Gln Ala
 65 70 75
 Val Val Tyr His Gly Gly Tyr Leu Pro Phe Arg Asp Pro Asn Ser
 80 85 90
 Glu Glu Asn Ser Asn Asp Ile Ala Leu Val His Leu Ser Ser Pro
 95 100 105
 Leu Pro Leu Thr Glu Tyr Ile Gln Pro Val Cys Leu Pro Ala Ala
 110 115 120
 Gly Gln Ala Leu Val Asp Gly Lys Ile Cys Thr Val Thr Gly Trp
 125 130 135
 Gly Asn Thr Gln Tyr Tyr Gly Gln Gln Ala Gly Val Leu Gln Glu
 140 145 150
 Ala Arg Val Pro Ile Ile Ser Asn Asp Val Cys Asn Gly Ala Asp
 155 160 165
 Phe Tyr Gly Asn Gln Ile Lys Pro Lys Met Phe Cys Ala Gly Tyr
 170 175 180
 Pro Glu Gly Gly Ile Asp Ala Cys Gln Gly Asp Ser Gly Gly Pro
 185 190 195
 Phe Val Cys Glu Asp Ser Ile Ser Arg Thr Pro Arg Trp Arg Leu
 200 205 210
 Cys Gly Ile Val Ser Trp Gly Thr Gly Cys Ala Leu Ala Gln Lys
 215 220 225
 Pro Gly Val Tyr Thr Lys Val Ser Asp Phe Arg Glu Trp Ile Phe
 230 235 240
 Gln Ala Ile Lys Thr His Ser Glu Ala Ser Gly Met Val Thr Gln
 245 250 255
 Leu

<210> 4
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<213> Homo sapiens

<220>

<223> SCCE

<400> 4

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Gln Val Ala Leu Leu Ser Gly Asn Gln Leu His Cys Gly Gly Val
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Leu Val Asn Glu Arg Trp Val Leu Thr Ala Ala His Cys Lys Met
35 40 45
Asn Glu Tyr Thr Val His Leu Gly Ser Asp Thr Leu Gly Asp Arg
50 55 60
Arg Ala Gln Arg Ile Lys Ala Ser Lys Ser Phe Arg His Pro Gly
65 70 75
Tyr Ser Thr Gln Thr His Val Asn Asp Leu Met Leu Val Lys Leu
80 85 90
Asn Ser Gln Ala Arg Leu Ser Ser Met Val Lys Lys Val Arg Leu
95 100 105
Pro Ser Arg Cys Glu Pro Pro Gly Thr Thr Cys Thr Val Ser Gly
110 115 120
Trp Gly Thr Thr Thr Ser Pro Asp Val Thr Phe Pro Ser Asp Leu
125 130 135
Met Cys Val Asp Val Lys Leu Ile Ser Pro Gln Asp Cys Thr Lys
140 145 150
Val Tyr Lys Asp Leu Leu Glu Asn Ser Met Leu Cys Ala Gly Ile
155 160 165
Pro Asp Ser Lys Lys Asn Ala Cys Asn Gly Asp Ser Gly Gly Pro
170 175 180
Leu Val Cys Arg Gly Thr Leu Gln Gly Leu Val Ser Trp Gly Thr
185 190 195
Phe Pro Cys Gly Gln Pro Asn Asp Pro Gly Val Tyr Thr Gln Val
200 205 210
Cys Lys Phe Thr Lys Trp Ile Asn Asp Thr Met Lys Lys His Arg
215 220 225

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<211> 225

<212> PRT

<213> Homo sapiens

<220>

<223> Trypsin

<400> 5

Lys Ile Val Gly Gly Tyr Asn Cys Glu Glu Asn Ser Val Pro Tyr
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Gln Val Ser Leu Asn Ser Gly Tyr His Phe Cys Gly Gly Ser Leu
20 25 30

Ile Asn Glu Gln Trp Val Val Ser Ala Gly His Cys Tyr Lys Ser
 35 40 45
 Arg Ile Gln Val Arg Leu Gly Glu His Asn Ile Glu Val Leu Glu
 50 55 60
 Gly Asn Glu Gln Phe Ile Asn Ala Ala Lys Ile Ile Arg His Pro
 65 70 75
 Gln Tyr Asp Arg Lys Thr Leu Asn Asn Asp Ile Met Leu Ile Lys
 80 85 90
 Leu Ser Ser Arg Ala Val Ile Asn Ala Arg Val Ser Thr Ile Ser
 95 100 105
 Leu Pro Thr Ala Pro Pro Ala Thr Gly Thr Lys Cys Leu Ile Ser
 110 115 120
 Gly Trp Gly Asn Thr Ala Ser Ser Gly Ala Asp Tyr Pro Asp Glu
 125 130 135
 Leu Gln Cys Leu Asp Ala Pro Val Leu Ser Gln Ala Lys Cys Glu
 140 145 150
 Ala Ser Tyr Pro Gly Lys Ile Thr Ser Asn Met Phe Cys Val Gly
 155 160 165
 Phe Leu Glu Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly
 170 175 180
 Pro Val Val Cys Asn Gly Gln Leu Gln Gly Val Val Ser Trp Gly
 185 190 195
 Asp Gly Cys Ala Gln Lys Asn Lys Pro Gly Val Tyr Thr Lys Val
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 Tyr Asn Tyr Val Lys Trp Ile Lys Asn Thr Ile Ala Ala Asn Ser
 215 220 225

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 <223> Chymotrypsin
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 Gln Val Ser Leu Gln Asp Lys Thr Gly Phe His Phe Cys Gly Gly
 20 25 30
 Ser Leu Ile Ser Glu Asp Trp Val Val Thr Ala Ala His Cys Gly
 35 40 45
 Val Arg Thr Ser Asp Val Val Val Ala Gly Glu Phe Asp Gln Gly
 50 55 60
 Ser Asp Glu Glu Asn Ile Gln Val Leu Lys Ile Ala Lys Val Phe
 65 70 75
 Lys Asn Pro Lys Phe Ser Ile Leu Thr Val Asn Asn Asp Ile Thr
 80 85 90
 Leu Leu Lys Leu Ala Thr Pro Ala Arg Phe Ser Gln Thr Val Ser
 95 100 105

Ala	Val	Cys	Leu	Pro	Ser	Ala	Asp	Asp	Asp	Phe	Pro	Ala	Gly	Thr
				110					115					120
Leu	Cys	Ala	Thr	Thr	Gly	Trp	Gly	Lys	Thr	Lys	Tyr	Asn	Ala	Asn
				125					130					135
Lys	Thr	Pro	Asp	Lys	Leu	Gln	Gln	Ala	Ala	Leu	Pro	Leu	Leu	Ser
				140					145					150
Asn	Ala	Glu	Cys	Lys	Lys	Ser	Trp	Gly	Arg	Arg	Ile	Thr	Asp	Val
				155					160					165
Met	Ile	Cys	Ala	Gly	Ala	Ser	Gly	Val	Ser	Ser	Cys	Met	Gly	Asp
				170					175					180
Ser	Gly	Gly	Pro	Leu	Val	Cys	Gln	Lys	Asp	Gly	Ala	Trp	Thr	Leu
				185					190					195
Val	Gly	Ile	Val	Ser	Trp	Gly	Ser	Asp	Thr	Cys	Ser	Thr	Ser	Ser
				200					205					210
Pro	Gly	Val	Tyr	Ala	Arg	Val	Thr	Lys	Leu	Ile	Pro	Trp	Val	Gln
				215					220					225
Lys	Ile	Leu	Ala	Ala	Asn									
				230										

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<211> 255

<212> PRT

<213> *Homo sapiens*

<220>

<223> Factor 7

<400> 7

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Gln	Val	Leu	Leu	Leu	Val	Asn	Gly	Ala	Gln	Leu	Cys	Gly	Gly	Thr
				20					25					30
Leu	Ile	Asn	Thr	Ile	Trp	Val	Val	Ser	Ala	Ala	His	Cys	Phe	Asp
				35					40					45
Lys	Ile	Lys	Asn	Trp	Arg	Asn	Leu	Ile	Ala	Val	Leu	Gly	Glu	His
				50					55					60
Asp	Leu	Ser	Glu	His	Asp	Gly	Asp	Glu	Gln	Ser	Arg	Arg	Val	Ala
				65					70					75
Gln	Val	Ile	Ile	Pro	Ser	Thr	Tyr	Val	Pro	Gly	Thr	Thr	Asn	His
				80					85					90
Asp	Ile	Ala	Leu	Leu	Arg	Leu	His	Gln	Pro	Val	Val	Leu	Thr	Asp
				95					100					105
His	Val	Val	Pro	Leu	Cys	Leu	Pro	Glu	Arg	Thr	Phe	Ser	Glu	Arg
				110					115					120
Thr	Leu	Ala	Phe	Val	Arg	Phe	Ser	Leu	Val	Ser	Gly	Trp	Gly	Gln
				125					130					135
Leu	Leu	Asp	Arg	Gly	Ala	Thr	Ala	Leu	Glu	Leu	Met	Val	Leu	Asn
				140					145					150
Val	Pro	Arg	Leu	Met	Thr	Gln	Asp	Cys	Leu	Gln	Gln	Ser	Arg	Lys
				155					160					165

Val	Gly	Asp	Ser	Pro	Asn	Ile	Thr	Glu	Tyr	Met	Phe	Cys	Ala	Gly	
				170					175					180	
Tyr	Ser	Asp	Gly	Ser	Lys	Asp	Ser	Cys	Lys	Gly	Asp	Ser	Gly	Gly	
				185					190					195	
Pro	His	Ala	Thr	His	Tyr	Arg	Gly	Thr	Trp	Tyr	Leu	Thr	Gly	Ile	
				200					205					210	
Val	Ser	Trp	Gly	Gln	Gly	Cys	Ala	Thr	Val	Gly	His	Phe	Gly	Val	
				215					220					225	
Tyr	Thr	Arg	Val	Ser	Gln	Tyr	Ile	Glu	Trp	Leu	Gln	Lys	Leu	Met	
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Arg	Ser	Glu	Pro	Arg	Pro	Gly	Val	Leu	Leu	Arg	Ala	Pro	Phe	Pro	
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<211> 253

<212> PRT

<213> *Homo sapiens*

<220>

<223> Tissue plasminogen activator

<400> 8

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Gln	Ala	Ala	Ile	Phe	Ala	Lys	His	Arg	Arg	Ser	Pro	Gly	Glu	Arg	
				20					25					30	
Phe	Leu	Cys	Gly	Gly	Ile	Leu	Ile	Ser	Ser	Cys	Trp	Ile	Leu	Ser	
				35					40					45	
Ala	Ala	His	Cys	Phe	Gln	Glu	Arg	Phe	Pro	Pro	His	His	Leu	Thr	
				50					55					60	
Val	Ile	Leu	Gly	Arg	Thr	Tyr	Arg	Val	Val	Pro	Gly	Glu	Glu	Glu	
				65					70					75	
Gln	Lys	Phe	Glu	Val	Glu	Lys	Tyr	Ile	Val	His	Lys	Glu	Phe	Asp	
				80					85					90	
Asp	Asp	Thr	Tyr	Asp	Asn	Asp	Ile	Ala	Leu	Leu	Gln	Leu	Lys	Ser	
				95					100					105	
Asp	Ser	Ser	Arg	Cys	Ala	Gln	Glu	Ser	Ser	Val	Val	Arg	Thr	Val	
				110					115					120	
Cys	Leu	Pro	Pro	Ala	Asp	Leu	Gln	Leu	Pro	Asp	Trp	Thr	Glu	Cys	
				125					130					135	
Glu	Leu	Ser	Gly	Tyr	Gly	Lys	His	Glu	Ala	Leu	Ser	Pro	Phe	Tyr	
				140					145					150	
Ser	Glu	Arg	Leu	Lys	Glu	Ala	His	Val	Arg	Leu	Tyr	Pro	Ser	Ser	
				155					160					165	
Arg	Cys	Thr	Ser	Gln	His	Leu	Leu	Asn	Arg	Thr	Val	Thr	Asp	Asn	
				170					175					180	
Met	Leu	Cys	Ala	Gly	Asp	Thr	Arg	Ser	Gly	Gly	Pro	Gln	Ala	Asn	
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Leu	His	Asp	Ala	Cys	Gln	Gly	Asp	Ser	Gly	Gly	Pro	Leu	Val	Cys	
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 Val Leu Phe Ser Phe Leu Leu Leu Ser Leu Met Ala Gly Leu Leu
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 Val Trp His Phe His Tyr Arg Asn Val Arg Val Gln Lys Val Phe
 80 85 90
 Asn Gly His Leu Arg Ile Thr Asn Glu Ile Phe Leu Asp Ala Tyr
 95 100 105
 Glu Asn Ser Thr Ser Thr Glu Phe Ile Ser Leu Ala Ser Gln Val
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 Lys Glu Ala Leu Lys Leu Leu Tyr Asn Glu Val Pro Val Leu Gly
 125 130 135
 Pro Tyr His Lys Lys Ser Ala Val Thr Ala Phe Ser Glu Gly Ser
 140 145 150
 Val Ile Ala Tyr Tyr Trp Ser Glu Phe Ser Ile Pro Pro His Leu
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 Ala Glu Glu Val Asp Arg Ala Met Ala Val Glu Arg Val Val Thr
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Val	Val	Ala	Phe	Pro	Ile	Asp	Pro	Arg	Met	Leu	Gln	Arg	Thr	Gln
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His	Ala	Arg	Cys	Gln	Trp	Val	Leu	Arg	Gly	Asp	Ala	Asp	Ser	Val
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				260					265					270
His	Gly	Ser	Asp	Leu	Val	Thr	Val	Tyr	Asp	Ser	Leu	Ser	Pro	Met
				275					280					285
Glu	Pro	His	Ala	Val	Val	Arg	Leu	Cys	Gly	Thr	Phe	Ser	Pro	Ser
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Tyr	Asn	Leu	Thr	Phe	Leu	Ser	Ser	Gln	Asn	Val	Phe	Leu	Val	Thr
				305					310					315
Leu	Ile	Thr	Asn	Thr	Gly	Arg	Arg	His	Leu	Gly	Phe	Glu	Ala	Thr
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Phe	Phe	Gln	Leu	Pro	Lys	Met	Ser	Ser	Cys	Gly	Gly	Val	Leu	Ser
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				410					415					420
Asn	Ser	Ser	Lys	Ile	Thr	Val	His	Phe	His	Ser	Asp	His	Ser	Tyr
				425					430					435
Thr	Asp	Thr	Gly	Phe	Leu	Ala	Glu	Tyr	Leu	Ser	Tyr	Asp	Ser	Asn
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Asp	Pro	Cys	Pro	Gly	Met	Phe	Met	Cys	Lys	Thr	Gly	Arg	Cys	Ile
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Cys	Lys	Asn	Gln	Phe	Cys	Lys	Pro	Leu	Phe	Trp	Val	Cys	Asp	Ser
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				515					520					525
Pro	Ala	Gly	Ser	Phe	Lys	Cys	Ser	Asn	Gly	Lys	Cys	Leu	Pro	Gln
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Ser	Gln	Lys	Cys	Asn	Gly	Lys	Asp	Asn	Cys	Gly	Asp	Gly	Ser	Asp
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Glu	Ala	Ser	Cys	Asp	Ser	Val	Asn	Val	Val	Ser	Cys	Thr	Lys	Tyr
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 Glu Cys Asp Gly Lys Thr Asp Cys Ser Asp Gly Ser Asp Glu Lys
 590 595 600
 Asn Cys Asp Cys Gly Leu Arg Ser Phe Thr Lys Gln Ala Arg Val
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 Val Gly Gly Thr Asn Ala Asp Glu Gly Glu Trp Pro Trp Gln Val
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 Asp Lys Asn Phe Lys Tyr Ser Asp Tyr Thr Met Trp Thr Ala Phe
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 680 685 690
 Glu Leu Lys Leu Lys Arg Ile Ile Thr His Pro Ser Phe Asn Asp
 695 700 705
 Phe Thr Phe Asp Tyr Asp Ile Ala Leu Leu Glu Leu Glu Lys Ser
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 Val Glu Tyr Ser Thr Val Val Arg Pro Ile Cys Leu Pro Asp Ala
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 Gly His Thr Lys Glu Gly Gly Thr Gly Ala Leu Ile Leu Gln Lys
 755 760 765
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 785 790 795
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 Ile Ala Ala Trp Thr Asp Ser Arg Pro Gln Thr Pro Thr Gly Met
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~~<222> 3, 6, 9, 12, 18~~

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~~<213> Homo sapiens~~

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~~<400> 13~~

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<400> 14

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20

<210> 15

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<220>

<223> TADG-15 reverse oligonucleotide primer

<400> 15

gaaggtgaag tcattgaaga

20

<210> 16

<211> 20

<212> DNA

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<220>

<223> β -tubulin forward oligonucleotide primer

<400> 16

cgcacaaacg tgtactacaa

20

<210> 17

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<212> DNA

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<223> β -tubulin reverse oligonucleotide primer

<400> 17

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<212> PRT

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<210> 20

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

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<210> 21

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<212> PRT

<213> *Homo sapiens*

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<223> Residues 644-652 of the TADG-15 protein

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Ser Leu Ile Ser Pro Asn Trp Leu Val

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<210> 22

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 379-387 of the TADG-15 protein

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Lys Val Ser Phe Lys Phe Phe Tyr Leu

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<210> 23

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 386-394 of the TADG-15 protein

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<210> 24

<211> 9

<212> PRT

<213> *Homo sapiens*

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<223> Residues 257-265 of the TADG-15 protein

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Ser Leu Thr Phe Arg Ser Phe Asp Leu

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<210> 25

<211> 9
<212> PRT
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<223> Residues 762-770 of the TADG-15 protein
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<210> 26
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<212> PRT
<213> *Homo sapiens*
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<223> Residues 841-849 of the TADG-15 protein
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Arg Leu Pro Leu Phe Arg Asp Trp Ile

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<210> 27
<211> 9
<212> PRT
<213> *Homo sapiens*
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<223> Residues 64-72 of the TADG-15 protein
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Gly Leu Leu Leu Val Leu Leu Gly Ile

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<210> 28
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<212> PRT
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<223> Residues 57-65 of the TADG-15 protein

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Val Leu Ala Ala Val Leu Ile Gly Leu

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<210> 29

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 67-75 of the TADG-15 protein

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Leu Val Leu Leu Gly Ile Gly Phe Leu

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<210> 30

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 379-387 of the TADG-15 protein

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Lys Val Ser Phe Lys Phe Phe Tyr Leu

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<210> 31

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 126-134 of the TADG-15 protein

<400> 31

Leu Leu Tyr Ser Gly Val Pro Phe Leu

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<210> 32

<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 88-96 of the TADG-15 protein
<400> 32
Lys Val Phe Asn Gly Tyr Met Arg Ile

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<210> 33
<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 670-678 of the TADG-15 protein
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Thr Gln Trp Thr Ala Phe Leu Gly Leu

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<210> 34
<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 119-127 of the TADG-15 protein
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Lys Val Lys Asp Ala Leu Lys Leu Leu

5

<210> 35
<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 60-68 of the TADG-15 protein

<400> 35

Ala Val Leu Ile Gly Leu Leu Leu Val

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<210> 36

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 62-70 of the TADG-15 protein

<400> 36

Leu Ile Gly Leu Leu Leu Val Leu Leu

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<210> 37

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 57-65 of the TADG-15 protein

<400> 37

Val Leu Ala Ala Val Leu Ile Gly Leu

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<210> 38

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 61-69 of the TADG-15 protein

<400> 38

Val Leu Ile Gly Leu Leu Leu Val Leu

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<210> 39

<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 146-154 of the TADG-15 protein
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Phe Ser Glu Gly Ser Val Ile Ala Tyr
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<210> 40
<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 658-666 of the TADG-15 protein
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Tyr Ile Asp Asp Arg Gly Phe Arg Tyr
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<210> 41
<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 449-457 of the TADG-15 protein
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Ser Ser Asp Pro Cys Pro Gly Gln Phe
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<210> 42
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<212> PRT
<213> *Homo sapiens*
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<223> Residues 401-409 of the TADG-15 protein

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Tyr Val Glu Ile Asn Gly Glu Lys Tyr

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<210> 43

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 387-395 of the TADG-15 protein

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<210> 44

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 553-561 of the TADG-15 protein

<400> 44

Gly Ser Asp Glu Ala Ser Cys Pro Lys

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<210> 45

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 97-105 of the TADG-15 protein

<400> 45

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<210> 46

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 110-118 of the TADG-15 protein

<400> 46

Ser Thr Glu Phe Val Ser Leu Ala Ser

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<210> 47

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 811-819 of the TADG-15 protein

<400> 47

Ser Val Glu Ala Asp Gly Arg Ile Phe

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<210> 48

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 666-674 of the TADG-15 protein

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Tyr Ser Asp Pro Thr Gln Trp Thr Ala

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<210> 49

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 709-717 of the TADG-15 protein

<400> 49

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<210> 50

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 408-416 of the TADG-15 protein

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Lys Tyr Cys Gly Glu Arg Ser Gln Phe

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<210> 51

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 754-762 of the TADG-15 protein

<400> 51

Gln Tyr Gly Gly Thr Gly Ala Leu Ile

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<210> 52

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 153-161 of the TADG-15 protein

<400> 52

Ala Tyr Tyr Trp Ser Glu Phe Ser Ile

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<210> 53

<211> 9

<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 722-730 of the TADG-15 protein
<400> 53

Glu Tyr Ser Ser Met Val Arg Pro Ile

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<210> 54
<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 326-334 of the TADG-15 protein
<400> 54

Gly Phe Glu Ala Thr Phe Phe Gln Leu

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<210> 55
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<223> Residues 304-312 of the TADG-15 protein
<400> 55

Thr Phe His Ser Ser Gln Asn Val Leu

5

<210> 56
<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 707-715 of the TADG-15 protein
<400> 56

Thr Phe Asp Tyr Asp Ile Ala Leu Leu

5

<210> 57

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 21-29 of the TADG-15 protein

<400> 57

Lys Tyr Asn Ser Arg His Glu Lys Val

5

<210> 58

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 665-673 of the TADG-15 protein

<400> 58

Arg Tyr Ser Asp Pro Thr Gln Trp Thr

5

<210> 59

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 686-694 of the TADG-15 protein

<400> 59

Ala Pro Gly Val Gln Glu Arg Arg Leu

5

<210> 60

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 12-20 of the TADG-15 protein

<400> 60

Gly Pro Lys Asp Phe Gly Ala Gly Leu

5

<210> 61

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 668-676 of the TADG-15 protein

<400> 61

Asp Pro Thr Gln Trp Thr Ala Phe Leu

5

<210> 62

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 461-469 of the TADG-15 protein

<400> 62

Thr Gly Arg Cys Ile Arg Lys Glu Leu

5

<210> 63

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 59-67 of the TADG-15 protein

<400> 63

Ala Ala Val Leu Ile Gly Leu Leu Leu

5

<210> 64

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 379-387 of the TADG-15 protein

<400> 64

Lys Val Ser Phe Lys Phe Phe Tyr Leu

5

<210> 65

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<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 119-127 of the TADG-15 protein

<400> 65

Lys Val Lys Asp Ala Leu Lys Leu Leu

5

<210> 66

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 780-788 of the TADG-15 protein

<400> 66

Leu Pro Gln Gln Ile Thr Pro Arg Met

5

<210> 67

<211> 9

<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 67-75 of the TADG-15 protein
<400> 67
Leu Val Leu Leu Gly Ile Gly Phe Leu

5

<210> 68
<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 283-291 of the TADG-15 protein
<400> 68
Ser Pro Met Glu Pro His Ala Leu Val

5

<210> 69
<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 12-20 of the TADG-15 protein
<400> 69
Gly Pro Lys Asp Phe Gly Ala Gly Leu

5

<210> 70
<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 257-265 of the TADG-15 protein
<400> 70

Ser Leu Thr Phe Arg Ser Phe Asp Leu

5

<210> 71

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 180-188 of the TADG-15 protein

<400> 71

Met Leu Pro Pro Arg Ala Arg Ser Leu

5

<210> 72

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 217-225 of the TADG-15 protein

<400> 72

Gly Leu His Ala Arg Gly Val Glu Leu

5

<210> 73

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 173-181 of the TADG-15 protein

<400> 73

Met Ala Glu Glu Arg Val Val Met Leu

5

<210> 74

<211> 9

<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 267-275 of the TADG-15 protein
<400> 74
Ser Cys Asp Glu Arg Gly Ser Asp Leu

5

<210> 75
<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 567-575 of the TADG-15 protein
<400> 75
Cys Thr Lys His Thr Tyr Arg Cys Leu

5

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<210> 76
<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 724-732 of the TADG-15 protein
<400> 76
Ser Ser Met Val Arg Pro Ile Cys Leu

5

<210> 77
<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 409-417 of the TADG-15 protein
<400> 77

Tyr Cys Gly Glu Arg Ser Gln Phe Val

5

<210> 78

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 495-503 of the TADG-15 protein

<400> 78

Thr Cys Lys Asn Lys Phe Cys Lys Pro

5

<210> 79

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 427-435 of the TADG-15 protein

<400> 79

Val Arg Phe His Ser Asp Gln Ser Tyr

5

<210> 80

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 695-703 of the TADG-15 protein

<400> 80

Lys Arg Ile Ile Ser His Pro Phe Phe

5

<210> 81

<211> 9

<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 664-672 of the TADG-15 protein
<400> 81
Phe Arg Tyr Ser Asp Pro Thr Gln Trp

5

<210> 82
<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 220-228 of the TADG-15 protein
<400> 82

Ala Arg Gly Val Glu Leu Met Arg Phe

5

<210> 83
<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 492-500 of the TADG-15 protein
<400> 83

His Gln Phe Thr Cys Lys Asn Lys Phe

5

<210> 84
<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 53-61 of the TADG-15 protein
<400> 84

Gly Arg Trp Val Val Leu Ala Ala Val

5

<210> 85

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 248-256 of the TADG-15 protein

<400> 85

Leu Arg Gly Asp Ala Asp Ser Val Leu

5

<210> 86

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 572-580 of the TADG-15 protein

<400> 86

Tyr Arg Cys Leu Asn Gly Leu Cys Leu

5

<210> 87

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 692-700 of the TADG-15 protein

<400> 87

Arg Arg Leu Lys Arg Ile Ile Ser His

5

<210> 88

<211> 9

<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 24-32 of the TADG-15 protein
<400> 88
Ser Arg His Glu Lys Val Asn Gly Leu

5

<210> 89
<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 147-155 of the TADG-15 protein
<400> 89
Ser Glu Gly Ser Val Ile Ala Tyr Tyr

5

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<210> 90
<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 715-723 of the TADG-15 protein
<400> 90
Leu Glu Leu Glu Lys Pro Ala Glu Tyr

5

<210> 91
<211> 9
<212> PRT
<213> *Homo sapiens*
<220>
<223> Residues 105-113 of the TADG-15 protein
<400> 91

Tyr Glu Asn Ser Asn Ser Thr Glu Phe

5

<210> 92

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 14-22 of the TADG-15 protein

<400> 92

Lys Asp Phe Gly Ala Gly Leu Lys Tyr

5

<210> 93

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 129-137 of the TADG-15 protein

<400> 93

Ser Gly Val Pro Phe Leu Gly Pro Tyr

5

<210> 94

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 436-444 of the TADG-15 protein

<400> 94

Thr Asp Thr Gly Phe Leu Ala Glu Tyr

5

<210> 95

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 766-774 of the TADG-15 protein

<400> 95

Gly Glu Ile Arg Val Ile Asn Gln Thr

5

<210> 96

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 402-410 of the TADG-15 protein

<400> 96

Val Glu Ile Asn Gly Glu Lys Tyr Cys

5

<210> 97

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 482-490 of the TADG-15 protein

<400> 97

Asp Glu Leu Asn Cys Ser Cys Asp Ala

5

<210> 98

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 82-90 of the TADG-15 protein

<400> 98

Arg Asp Val Arg Val Gln Lys Val Phe

5

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